

PORTABLE SYSTEM AND METHOD FOR DETERMINING
ONE OR MORE REFLECTANCE PROPERTIES OF A SURFACE

ABSTRACT OF THE DISCLOSURE

5 A method is provided for determining one or more
reflectance properties of a surface using a portable
apparatus that includes reflecting a first beam of
electromagnetic energy off of a measured surface, the
first beam contacting the measured surface at an angle
10 that is near normal to the measured surface. The method
also includes reflecting a second beam of electromagnetic
energy off of the measured surface, the second beam
contacting the measured surface at an angle that is near
grazing to the measured surface. Reflected portions of
15 the first and second beams of electromagnetic energy are
then collected and at least one reflectance
characteristic value associated with the measured surface
is determined based on the reflected portions of the
first and second beams of electromagnetic energy.